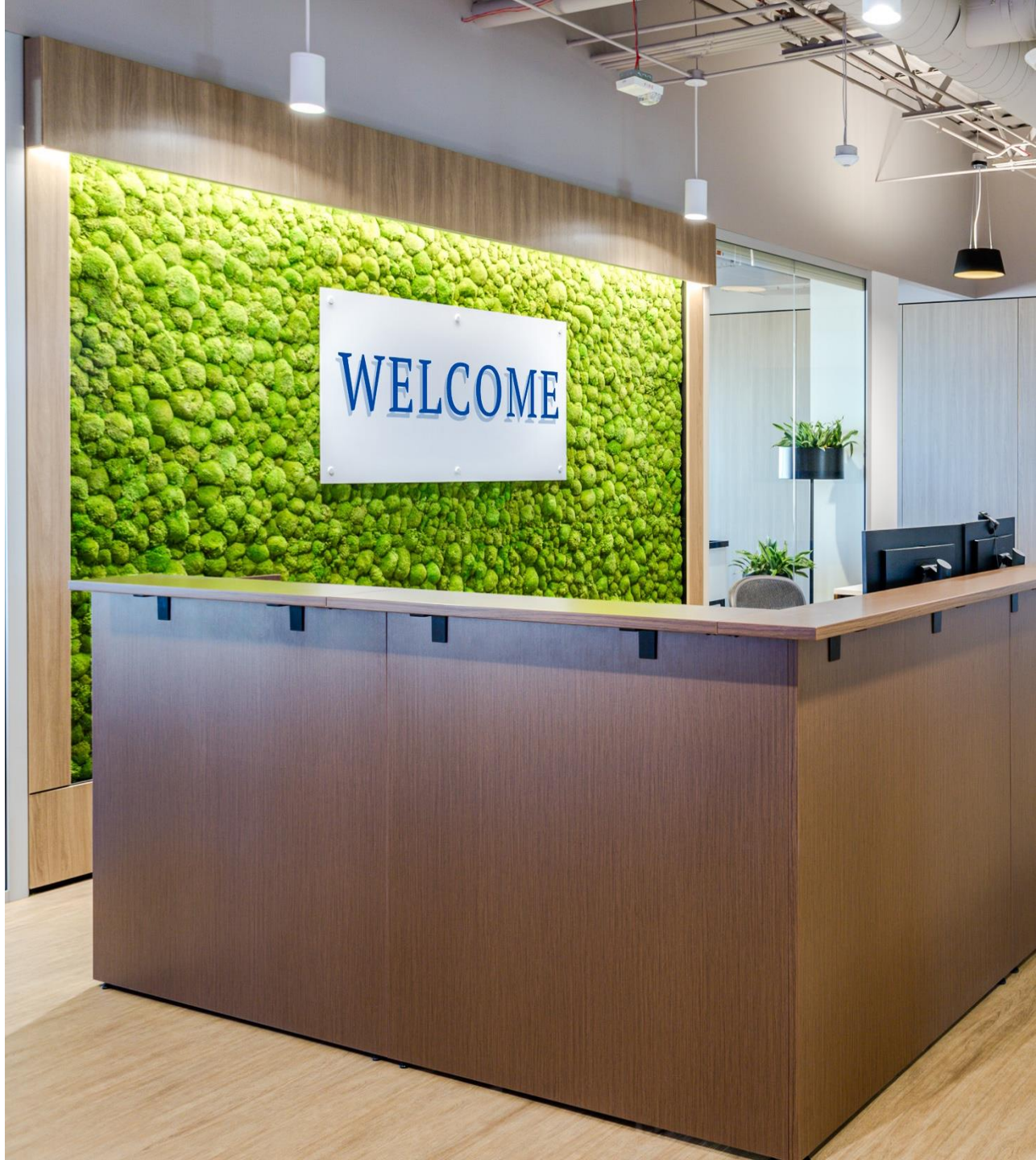

constructive
an elements studio
sustainable
solutions
FALK BUILT™ + Steelcase®

sustainability vision statement

At Constructive, we prove that there are options beyond conventional construction which has been responsible for 40% of our annual waste in the United States. We understand that a wall is more than just a wall, just like sustainability is more than a LEED certification. Constructive can help reduce emissions and create a space that is responsible, adaptable, and efficient. We help recalibrate the traditional approach to building design and construction to align with sustainability goals.

Our approach to projects and facility operations marries carbon emissions and sustainability targets alongside traditional financial, scheduling, and operational factors.

Our process helps create strategic measures to ensure preparedness, while acknowledging the necessity to help our clients align with environmental standards and contribute to a more sustainable future.



sustainability is at the core of everything we do.

Digital Component Construction uses less material, reduces emissions in manufacturing + freight and virtually eliminates waste onsite. Digital components are designed for disassembly, so wall systems can be easily reconfigured onsite or recycled at the end of the lifecycle.

CSI Divisions that we include in our wall systems

01 00 00 - General Conditions
05 40 00 - Metal (Steel)
07 21 00 - Insulation
08 10 00 - Doors, Frames, & Hardware
08 80 00 - Glass & Glazing
09 21 00 - Solid Wall Finishes
09 84 00 - Acoustical Treatment/Finishes
10 11 16 - Markerboards
16 00 00 - Electrical (Power)
27 41 00 - Architecturally Integrated TV Assembly

assembly | sustainability

Solid Wall | McNally

- EPD McNally Solid Wall Assembly
- Scope considers a wall configuration used in interior construction applications. For the purpose of this EPD, a 9ft wall height with an average length of wall produced over the year, accounting for approximately 10m^2 of area. The wall does not have any cutouts, electrical, and does not include doors.

Glass Wall | Kai

- Kai Glass Walls by Falkbuilt
- The Kai Glass Wall is a single-glazed wall solution, composed of panes of glass seated within aluminum header and shoe sections. Glass can be butt-joined together or split with vertical extrusions.

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structural materials | sustainability

Aluminum Glass Extrusions / Door Frames / Floor Tracks

- EPD Aluminum Frames (Glass)

Glass Constructive Glazing Partner

- EPD Clear Tempered Glazing
- EPD Laminated Glazing

MDF Cladding / Millwork

- EPD 3/4" Cladding Substrate

Timber Laminate

Glued Laminated Timber

- EPD Glued Laminated Timber (English) / Current (German)
- EC3: buildingtransparency.org

Laminate Veneer Lumber (LVL)

- EPD Laminated Veneer Lumber (LVL)

Steel Cascadia Metals

- LEED Information Credit Alignment
- Recycled Content 19.8% Pre-Consumer + 14.4% Post-Consumer
- Content Red List Requirements

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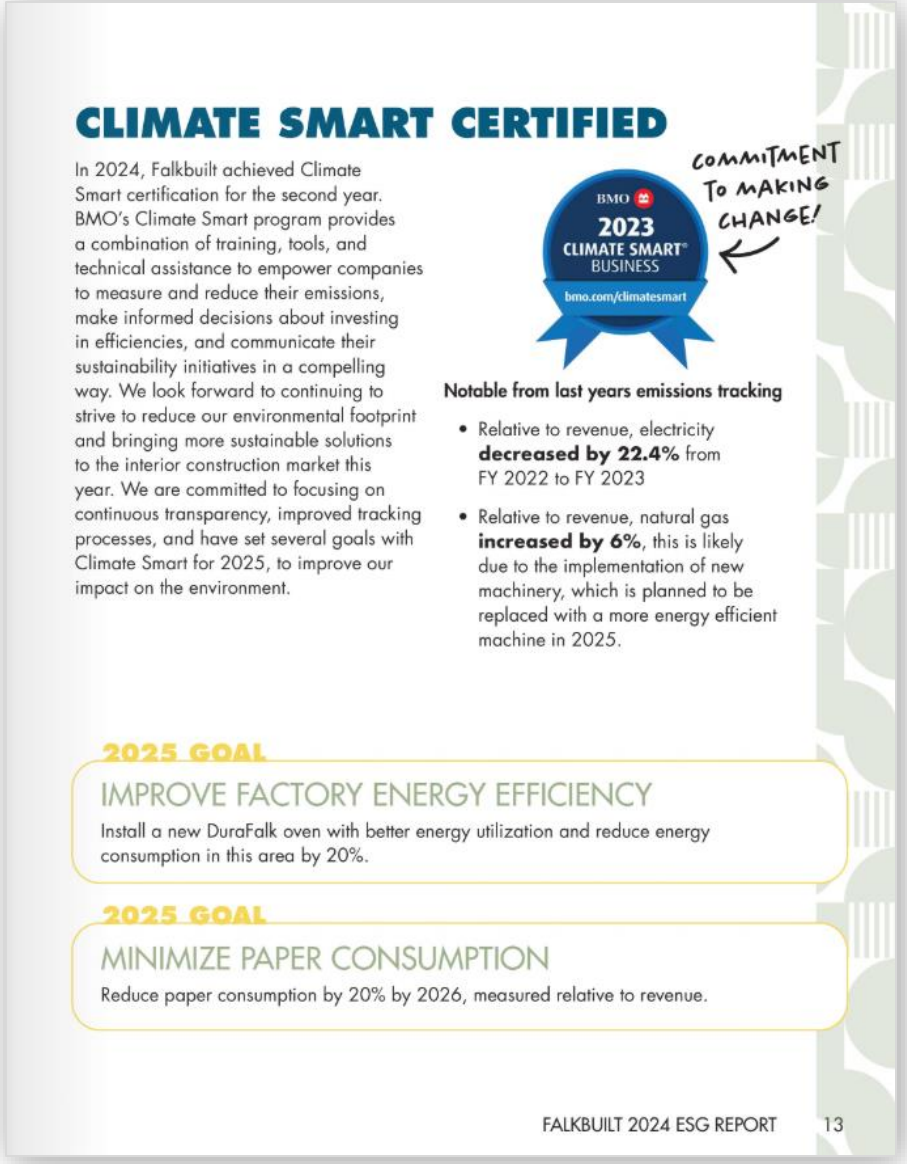

CLIMATE SMART CERTIFIED

In 2024, Falkbuilt achieved Climate Smart certification for the second year. BMO's Climate Smart program provides a combination of training, tools, and technical assistance to empower companies to measure and reduce their emissions, make informed decisions about investing in efficiencies, and communicate their sustainability initiatives in a compelling way. We look forward to continuing to strive to reduce our environmental footprint and bringing more sustainable solutions to the interior construction market this year. We are committed to focusing on continuous transparency, improved tracking processes, and have set several goals with Climate Smart for 2025, to improve our impact on the environment.

Notable from last years emissions tracking

- Relative to revenue, electricity **decreased by 22.4%** from FY 2022 to FY 2023
- Relative to revenue, natural gas **increased by 6%**, this is likely due to the implementation of new machinery, which is planned to be replaced with a more energy efficient machine in 2025.

2025 GOAL

IMPROVE FACTORY ENERGY EFFICIENCY

Install a new DuraFalk oven with better energy utilization and reduce energy consumption in this area by 20%.

2025 GOAL

MINIMIZE PAPER CONSUMPTION

Reduce paper consumption by 20% by 2026, measured relative to revenue.

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DuraFalk* Cladding / Millwork

- Testing Report CDPH Standard Method v1.2
- PVC Free
- Total VOCs <0.1mg3

** Similar to painted finish*

Falkskin** Cladding / Millwork

- SSI Environmental Insights
- Free of VOCs, HAPs, heavy metals, phthalates, plasticizers + ozone-depleting substances
- Standards: RoHS EU, Reach EU, TPCH, CPSIA, Prop 65 and Canada CEPA 1999
- Pentadecor 3D PVC Complies with LEED
- LEED Compliant for ID+C, BD+C: MAS Certified Green low emitted materials

*** Similar to wallcovering or woodgrain finish*

Fabrics Cladding / Millwork

Falkbuilt does not require any use from a single supplier, so outside fabric companies are welcome; however, we will want to verify durability on a case-by-case basis.

Carnegie: https://carnegiefabrics.com/

- HPDs, Declare labels, Cradle to Cradle, Indoor Advantage Gold

CF Stinson https://www.cfstinson.com/

- GREENGUARD Gold Certified, NSF/ANSI 336 FACTS Gold Certified, LBC Red List Free (4.0), Healthier Hospitals Compliant

Write-Away + Graphic Panels Cladding / Millwork

Identity Ink https://identity.ink/

- CDPH Standard Method v1.2 compliant and LEED v4 low emitting materials complaint

WASTE REDUCTION + CARBON MITIGATION

Falkbuilt's factory spaces in Calgary occupy approximately 240,000 sq ft—a significantly smaller footprint compared to other offsite manufacturing facilities. We require fewer materials and we flat-pack our digital components for shipping, **reducing freight and emissions by up to 75% compared to modular solutions**.

Every interior construction project installed using Falkbuilt's offsite approach, diverts considerable construction waste away from landfills.

In conventional construction, trades cut materials to size onsite, resulting in roughly 1/3 of materials, such as lumber and drywall, being wasted and discarded. "The Construction Industry is characterized as one of the largest generators of solid waste worldwide. In fact, it is estimated that the construction and demolition waste represent at least 30% of solid waste generated in the world." [1]

Falkbuilt eliminates this waste entirely by pre-cutting components in the factory, reducing dust and waste onsite, as well as reducing the emissions caused by [illegible]orting construction bins.

30%

of solid waste generated worldwide is represented by construction and demolition waste

Components are sent to site flat packed, utilizing about 1/4 the freight compared to modular solutions.

Dust free, waste free site

14

[1]Journal of Building Engineering, 2023, The circular economy in the construction and demolition waste management

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PET

Acoustical Treatments / Ceilings / Cladding

- CDPH/EHLB Standard Testing Methodology: PET - Passed all scenarios.
- Acoustic Performance: NRC rating: 0.75
- ASTM E84 Standard Test Method (Surface Burning): PET - Finish Classification - Class1/Class A

Powder Coat

Aluminum Extrusions

- Red List Free Compliance
- RoHS Compliant

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MATERIAL SUSTAINABILITY

Falkbuilt acquired a third party verified solid wall Environmental Product Declaration (EPD) in December of 2024 in compliance with EN 15804+A2 & ISO 14025 / ISO 21930. Obtaining this EPD highlights our commitment to sustainability, transparency, and reducing our environmental impact. With the EPD, we can provide our customers with clear, verified data on the environmental footprint of our products, empowering more informed decisions for greener buildings. A copy of the EPD can be found through the EPD Hub library.

2025 GOAL

GLASS WALL ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Obtain an EPD for The Kai Glass Wall by April 2025

Falkbuilt's Sustainability Team completed an EPD for the McNally Solid Wall

FALKBUILT 2024 ESG REPORT 17

material comparison | Falkbuilt vs. conventional

Falkbuilt Studs

- (5) 12' H steel studs 48" OC = 60 LF of Steel

Conventional Studs

- (12) 12' H aluminum studs 16" OC = 144 LF Aluminum

***This equates to Falkbuilt using 41% less material for the same wall size.**

Finishes: Estimated 12’ 0" wall length at 12' H = 288 SF Wall surface area (both sides):

Falkbuilt MDF

- 288 SF of MDF, pre-cut/zero on-site waste

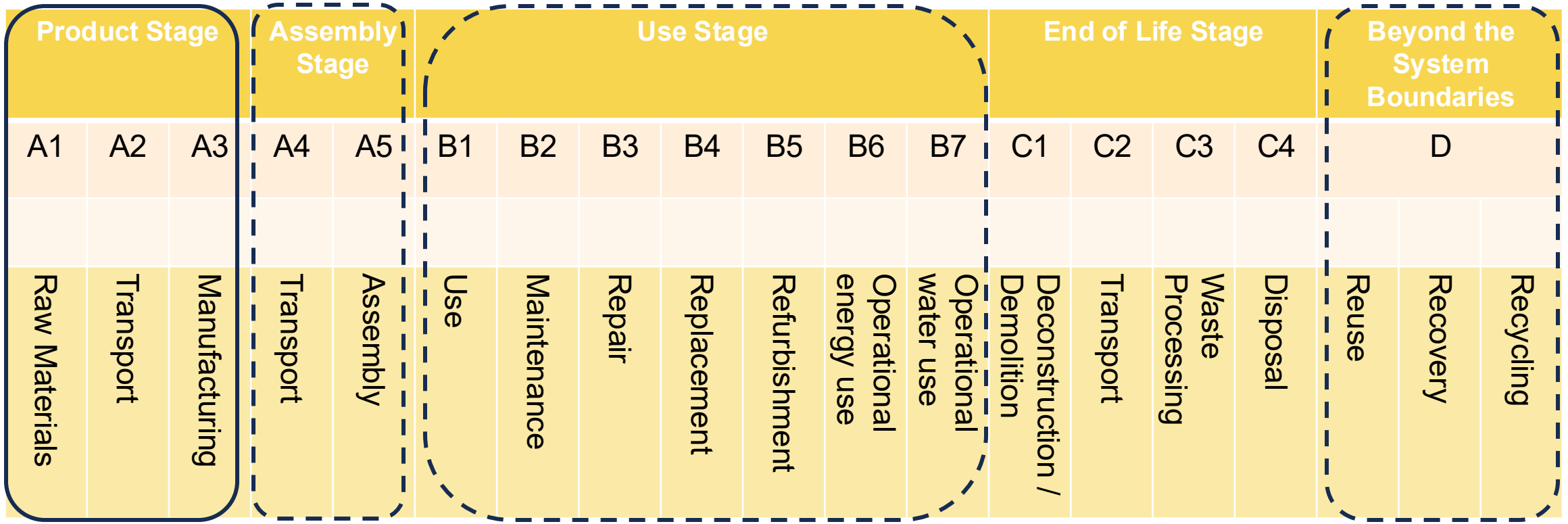
Conventional GYP

- 288 SF + 58 SF = 346 SF of GYP for on-site installation with a 20% waste factor.

***This equates to Falkbuilt using 20% less material for the same wall size.**

Watch Falkbuilt in Action

life cycle analysis | Falkbuilt goes beyond conventional construction



All construction materials and wall systems have a calculation related to production. Falkbuilt's prefabrication and precision cutting eliminates excess materials getting delivered onsite and avoid adding to the waste stream inherent to conventional construction.

Falkbuilt materials extend their control beyond the product stage and has quantifiable carbon impact on the transport & assembly

- Construction schedule reduction reduces weeks from the schedule which eliminates emissions from contractors driving onsite
- Reduced sub-contractor involvement
  - Framers (reduced manhours for ease of assembly)
  - Drywallers (not required)
  - Electricians (reduced electrical in-wall rough-ins, box-walk site visits, fields cuts, etc.)
  - AV (reduced manhours for in-wall rough-ins, box-walk site visits, field cuts, reduced finishing)
  - Painters (not required)

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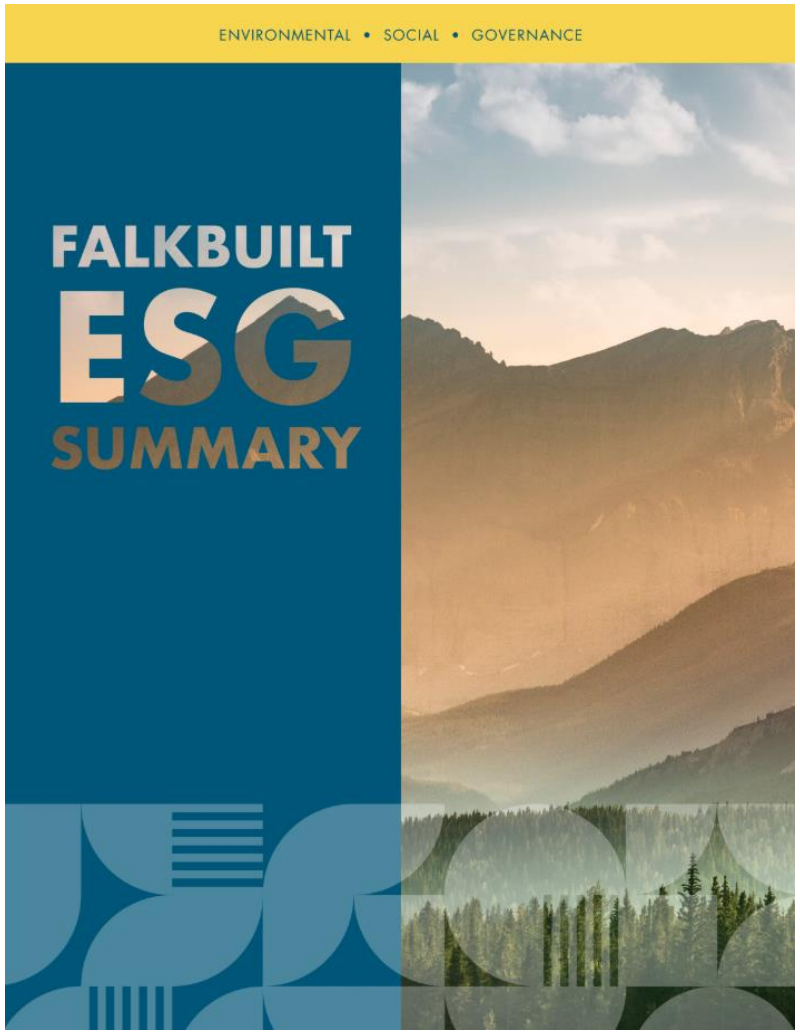
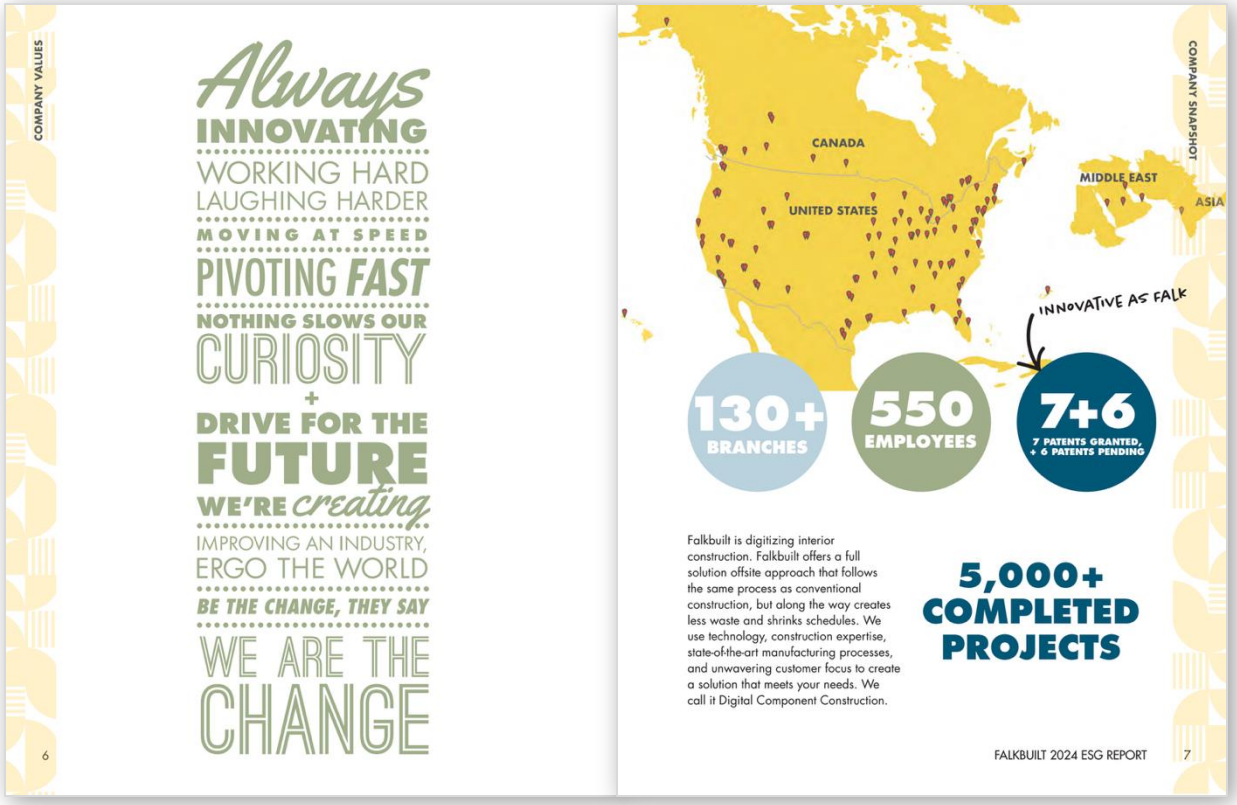
environmental social governance





[View the full Report Here]

Steelcase®

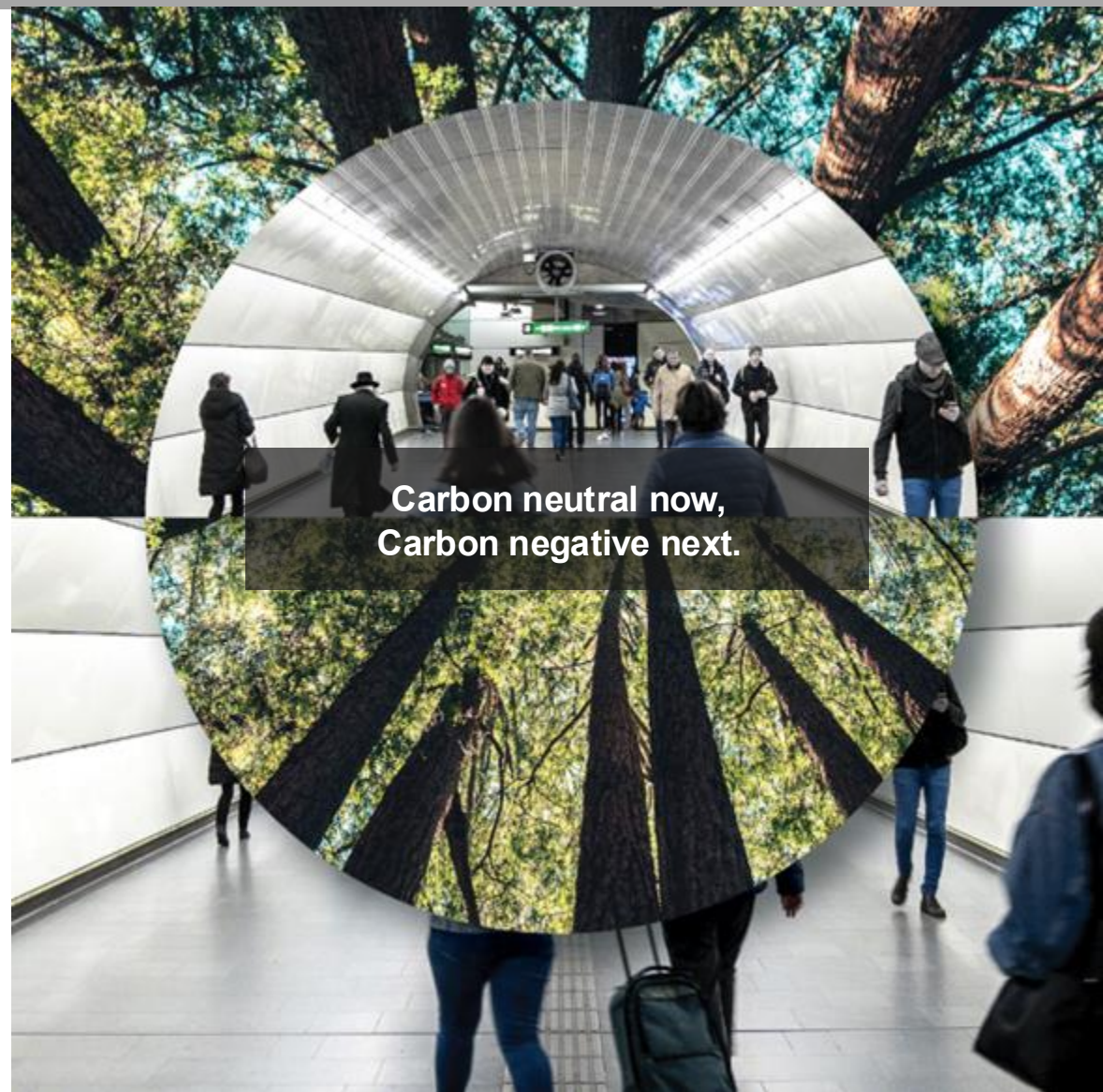
why prefabricated walls?

Now more than ever is the time to choose responsible solutions when building walls to delineate space. The list of benefits for off-site construction was long prior to the pandemic and the reasons have become even stronger.

As organizations transform and build the resilience needed to navigate change, supporting a new level of flexibility and adaptability has never been more important. Creating a dynamic workplace that is responsive to the changing needs of businesses, teams and people should be solved with a range of furniture, architecture and technology for a new era of work.

Adaptable architecture is a key element in designing spaces that give people what they need while addressing the needs of the hybrid workplace.

- Everwall
- V.I.A.
- Lite Scale
- Privacy Wall



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Everwall

Glass + Solid Walls

Product Environmental Profile

Product Ingredient Disclosure

BIFMA Scorecard

Click to Download Specs

- Modular, reconfigurable design reduces waste
- Low-emitting materials support indoor air quality
- Compact, efficient packaging cuts environmental impact
- Designed for long-term adaptability and reuse

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V.I.A. Glass + Solid Walls

Product Environmental Profile

Product Ingredient Disclosure

BIFMA Scorecard

Click to Download Specs

- Built to last and reconfigure—reduces waste.
- Designed for disassembly and recycling.
- Low-emitting materials for healthier spaces.
- Backed by EPDs and HPDs for transparency.
- Made with responsible manufacturing practices.

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Lite Scale Glass Wall

Product Environmental Profile

Product Ingredient Disclosure

BIFMA Scorecard

Click to Download Specs

- Minimal framing = fewer materials used
- Enhances daylight and visibility
- Durable and reusable for long-term flexibility
- Low-emitting materials support healthy spaces

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Privacy Wall

Glass Wall

Product Environmental Profile

Product Ingredient Disclosure

BIFMA Scorecard

Click to Download Specs

- Designed for disassembly and reconfiguration
- Reusable components = reduced construction waste
- Made with low-emitting materials for healthier indoor air
- Integrates power and data to reduce additional materials
- Supports LEED credits for sustainable interiors

[View the full Report Here]

thank you

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